

ENGINEERING/OPERATIONS COMMITTEE MEETING RECAP
December 10, 2009

COMMITTEE MEMBERS PRESENT

Ed Mandich, Committee Member
Mike Safranski, Committee Member

STAFF PRESENT

Don Chadd, General Manager
Hector Ruiz, District Engineer
Sharon E. Smith, Secretary/Treasurer
Kris Hanberg, Wastewater Supervisor
Bob Beck, Maintenance Supervisor
Teresa Teichman, Assistant to the General Manager
Michael Perea, Special Projects Manager

PUBLIC PRESENT

No members of the public were present.

CALL THE MEETING TO ORDER

Committee Member Mandich called the December 10, 2009 Engineering/Operational Committee Meeting to order at 7:08 a.m.

PUBLIC PARTICIPATION

Public comments were announced. There were no oral or written comments.

ORAL COMMUNICATION

There were no comments.

COMMITTEE MEMBER COMMENTS

Director Safranski commented on a recent article in the Orange County Register in regard to Board of Directors water consumption. Director Safranski stated he had attended a meeting earlier in the week with the other five south county water agencies and two cities relating to MWDOC issues.

REPORT FROM THE GENERAL MANAGER

There was no report from the General Manager.

PROJECT MANAGEMENT

ITEM NO. 1A) STATUS UPDATE AND POSSIBLE ACTION RELATING TO THE
BAKER REGIONAL WATER TREATMENT FACILITY

Mr. Hector Ruiz, District Engineer, reviewed the revised total plant capacity of 43.5 cubic feet per second (cfs) with TCWD's capacity being 4.598 percent, or an approximate flow of 2 cfs.

Mr. Ruiz discussed the attached Baker Pipeline Capacity Transfer Memorandum of Understanding (M.O.U.). The M.O.U. establishes the basis on which each participating agency agrees to exchange capacity in the Baker Pipeline, either by sale or purchase of capacity, such that each Agency's capacity subscription in the Baker Pipeline matches its capacity subscription in the Baker WTP.

Mr. Ruiz advised that per the Baker WTP Agreement there is an opportunity to exit the project at this point in time, however; it is staffs' recommendation to continue to participate in the project and approve the attached M.O.U.

Mr. Ruiz reviewed the project schedule and updated costs and advised the next Baker Committee meeting is scheduled for this afternoon.

A status update will be provided to the Board of Directors at the December 16, 2009 Regular Board Meeting.

The Engineering/Operational Committee received the staff report and status update. The Committee recommended continued participation with the project and approval of the M.O.U. (Action Calendar)

ITEM NO. 1B) DISCUSSION AND POSSIBLE ACTION RELATING TO ROSE
CANYON AND LANG WELLS GROUNDWATER TREATMENT
FACILITY

Mr. Ruiz stated the project was awarded to the R.C. Foster Corporation at the November 23, 2009 Special Board Meeting. R.C. Foster has provided the necessary contract documents and other information. A kick-off meeting has been scheduled for December 15, 2009 at which time the Notice To Proceed will be issued to the Contractor.

Mr. Don Chadd, General Manager, stated a letter was sent to each of the bidders who were not selected for the project.

ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
DECEMBER 10, 2009
PAGE 3

Mr. Ruiz advised he is currently negotiating with CDM for inspection services along with contractual assistance to review submittals. Mr. Ruiz stated that he is also procuring proposals for inspection services and has received a proposal for geotechnical work from GMU. GMU had done the geotechnical investigation required for the design and staff is recommending the approval of the attached proposal from GMU for geotechnical services and testing required during construction. It is anticipated construction activities will commence in late January, 2010.

Mr. Ruiz stated he met with the Department of Public Health on December 9, 2009 in regard to the submission of State required paperwork including approval of award documents.

The Engineering/Operational Committee received the staff report, status update, proposal for geotechnical services, and made recommendation to bring this to the Board. (Action Calendar).

ITEM NO. 1C) STATUS UPDATE RELATING TO WATER MONITORING AND WATER CONSERVATION EFFORTS

Mr. Chadd, reviewed the charts and graphs provided by MWDOC which reflect monthly retail water usage compared to historical monthly water usage patterns and cumulative water historical patterns through November 2009. TCWD continues to stay on target to remain below the 2009/2010 allotment of 2,847 acre feet.

Mr. Chadd also discussed water consumption by District customers. Information was reviewed which showed residential water consumption by meter size, tiered rate, and dollar amount by tiered rate.

The Engineering and Operational Committee received the status update. No action taken.

ITEM NO. 1D) STATUS UPDATES REGARDING ON-GOING ENGINEERING PROJECTS

1. Golf Club Lift Station Upgrades/Rehabilitation

Mr. Ruiz stated staff will be evaluating replacement of the dry pit pumps and the surge tank.

2. Water Systems Inter-Tie Reliability Study

Mr. Ruiz advised there are no changes or updates since the last Committee meeting. Mr. Ruiz stated the District will meet with staff from the Irvine Ranch Water District (IRWD) during the week of December 14, 2009 in order to finalize the Inter-Tie Reliability Study. Mr. Ruiz stated he will have further discussions with IRWD relating to taking water from Lake Irvine during the time of the Diemer Plant shut-down scheduled for the last week of January, 2010.

3. Shadow Rock Detention Basin Project

Mr. Ruiz advised he conducted a site visit with Southern California Edison (SCE). SCE will be confirming the easements through Sakaida Nursery prior to committing to provide power to the proposed pump station.

4. T-mobile Trabuco Highlands Reservoir Antenna Installation

No changes since the last Committee meeting. T-Mobile anticipates breaking ground the first quarter of 2010.

5. Brookseed/Dove Water Main Inter-Tie/Fire Line

Mr. Ruiz discussed the benefits of an 8-inch water line at this location.

6. Other Projects

No other projects were discussed.

The Engineering/Operational Committee received the status updates. No action taken.

ITEM 1E) STATUS UPDATES REGARDING ACTIVE DEVELOPMENTS

1. Orange County Fire Authority Sewer System Project

Mr. Ruiz stated TCWD has received the signed agreements from the OCFA and County of Orange. Mr. Ruiz acknowledged the OCFA has paid their fees to the District per their agreement.

ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
DECEMBER 10, 2009
PAGE 5

2. Oaks at Trabuco

There is no new activity to report.

3. Rancho Las Lomas

There is no new activity to report.

4. Other Active Developments

No other developments were discussed.

The Engineering/Operational Committee received the staff report and status update. No action taken.

ITEM NO. 1F) WATER SYSTEM STATUS UPDATE

Mr. Neil McKenna, Water Supervisor, provided the November 2009 update.

Source Water Production

1. The water treatment plant production totaled 249 acre feet.
2. The Rose Canyon and Lang Wells produced zero acre feet.
3. The average daily demand for the month of November was 7.9 acre feet, or 4.0 cfs.

Projects and Repairs

1. Water Department Personnel completed valve exercising within the Dove Canyon Community.
2. Water Department Personnel installed a flow meter at the Field Office Pump Station.

Mr. Ruiz stated staff worked with I-Water during the past few weeks to complete adding residential meters within the Canyon Community and adding them to the current GPS system.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1G) WASTEWATER SYSTEM STATUS UPDATE

Mr. Kris Hanberg, Wastewater Supervisor, provided the November 2009 status update.

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 59 acre feet.
2. The recycled water demand was 51 acre feet.
3. Dove Lake had 7.6 feet of freeboard.
4. The reclaimed water reservoir had 23 feet of freeboard.
5. The District pumped a total of zero acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 9 acre feet in November.

Projects

1. District Personnel painted the exterior of the Waste Water Treatment Plant buildings.

Mr. Hanberg stated Dove Lake had 6.4 feet of freeboard after the rain on December 7, 2009.

Mr. Hanberg advised there was a sewer force main line break during the evening of December 6, 2009 within the community of Dove Canyon, next to the Golf Club Lift Station. District Personnel worked throughout the night and the line was repaired early the following morning.

Mr. Hanberg informed the Committee that the San Diego State Water Quality Control Board visited the Waste Water Treatment Plant to perform inspections.

Mr. Hanberg also discussed the Sewer System Management Plan (SSMP) Report for November and reviewed the information provided on the attached SSMP Quarterly Report.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1H) DECEMBER 2009 OPERATIONAL REPORT REVIEW

There were no anomalies to report.

The Engineering/Operational Committee received and filed the report. No action taken.

ITEM NO. 1I) ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

No changes were made to the Engineering/Operational recap.

The Engineering/Operational Committee recommended that the Board receive and file the November 12, 2009 Engineering/Operational Committee Meeting Recap. (Consent Calendar)

ITEM NO. 1J) OTHER MATTERS/REPORT

Mr. Chadd reported he had discussions with the City of Rancho Santa Margarita's Public Works Director in regard to the Plano median reclaimed water conversion project. The Public Works Director inquired if TCWD can perform the required work with reimbursement from the City. TCWD is waiting to hear back from the City in order to move forward with the project.

ADJOURNMENT

Committee Member Mandich adjourned the December 10, 2009 Engineering/Operational Committee Meeting at 7:55 a.m.